

## **Experiment D**

## Becks Sample 1

SAMPLE : Becks / Commercial Beer. (undiluted)

1

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHERTY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.5

# Becks Sample 2

SAMPLE : Becks (Diluted commercial beer (30%))

(2)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZING
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	EARTHY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTER TASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.7  
(+0.2)

## Becks Sample 3

3

SAMPLE : Becks / Diluted Beer (30%) + Dunhamite - Ca Citrate only.

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNED, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	DIRTY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments: Calcium citrate didn't stay in solution.

pH 4.8  
(+0.3)

# Becks Sample 4

SAMPLE : Becks/ Delikat Beer (30%) + Dunlopine Calcium + (2m + Fe)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOSTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	BITTER
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments: calcium extract didn't stay in solution

pH 4.9  
(+0.4)

## Becks Sample 5

5

SAMPLE : Beck's Deli Beer (30%) thin end

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	EARTHY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 6.5

## Becks Sample 6

6

SAMPLE : Becks / Deluted Beer (30%) + Costa

COMPONENT	RATING				
1	AROMA				
	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2	MALTINESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3	BITTERNESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4	SALTINESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5	SWEETNESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6	BODY				
	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7	CARAMEL (BURNT, TOASTY)				
	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8	SOURNESS (ACIDITY)				
	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9	'MINERAL' SENSATION				
	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10	CALCIC/MAGNESIC				
	ABSENT	WEAK	ACCEPTABLE	STRONG	EARTHY
11	INITIAL MOUTHFEEL				
	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12	PERSISTENCE OF AFTERTASTE				
	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

almost no taste  
affectionatemineral  
affectionate

Comments :

pH 5.1  
(+0.6)

## Becks Sample 7

7

SAMPLE : Becks/Deluted Beer (30%) + Demolene, Sinton, India combined.

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	HEAVY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	too EXTENDED	PERSISTENT

Comments: - Calcium nitrate didn't stay in solution

pH 4.8 - Not one acceptable taste component!  
(to-3)

## Heineken Sample 1

11

SAMPLE : Heineken/ Commercial Beer (undiluted)

COMPONENT	RATING				
1	AROMA				
	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2	MALTINESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3	BITTERNESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4	SALTINESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5	SWEETNESS				
	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6	BODY				
	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7	CARAMEL (BURNT, TOASTY)				
	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8	SOURNESS (ACIDITY)				
	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9	'MINERAL' SENSATION				
	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10	CALCIC/MAGNESIC				
	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHERY
11	INITIAL MOUTHFEEL				
	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12	PERSISTENCE OF AFTERTASTE				
	ABSENT	SHORST	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

PHF?

# Heineken Sample 2

(2)

SAMPLE : Heineken / Diluted beer (30% dilution)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	DIRTY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTER TASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 8.7

# Heineken Sample 3

SAMPLE : Heineken/Dr. Who's Beer (50%) + Dunham's Ca Citrate only

3

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOSTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	BITTER
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments:

pH 5.8  
(+0.1)

## Heineken Sample 4 (4)

SAMPLE : Heineken Dutch Beer (30%) + Dunkhauer Pa.Gefroth + (2n + R)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	EARTHY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.8  
(+0.1)

# Heineken Sample 5

SAMPLE : Heineken's Diluted Beer (30%) + Lemon

5

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	CHARTSY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTER TASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.7

## Heineken Sample 6

6

SAMPLE : Heineken/Chelated Beer (30%) + Cofar

COMPONENT	RATING				
1 AROMA					
-ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE	
2 MALTINESS					
ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE	
3 BITTERNESS					
ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE	
4 SALTINESS					
ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE	
5 SWEETNESS					
ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE	
6 BODY					
VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY	
7 CARAMEL (BURNT, TOASTY)					
ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED	
8 SOURNESS (ACIDITY)					
ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC	
9 MINERAL ' SENSATION					
ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC	
10 CALCIUM/MAGNESIUM					
ABSENT	WEAK	ACCEPTABLE	STRONG	ETCHED	
11 INITIAL MOUTHFEEL					
ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE	
12 PERSISTENCE OF AFTERTASTE					
ABSENT	SHORST	ACCEPTABLE	TOO EXTENDED	PERSISTENT	

Comments :

pH 5.1  
(+0.4)

## Heineken Sample 7

7

SAMPLE : Heineken / Deluted Beer(30%) + Denhove, London, Cofa combined

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOSTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHereal
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORTEST	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.8  
(+0.1)

## Guiness Sample 1

①

SAMPLE : Guiness / Commercial Beer

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZZLING
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHereal
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.5

## Guiness Sample 2

2

SAMPLE : Guiness / Delusion Beer (30%)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZING
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	EARTHY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 6.5

## Guiness Sample 3

3

SAMPLE : Guinness/ Doherty beer (50%) + Sunhouse Caffeinate only

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZING
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHERY
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.8  
(+0.3)

## Guiness Sample 4

(4)

SAMPLE : Guinness/ Dilkuted Beer (30g) + Denhawne Cr Crisps (+ MfTe)

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZING
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNT
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	ETHereal
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments:

pH 4.8  
(+0.3)

## Guiness Sample 5

SAMPLE : Guiness/ Diluted beer (30%) + Londen

5

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 'MINERAL' SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIC/MAGNESIC	ABSENT	WEAK	ACCEPTABLE	STRONG	BITTER
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTER TASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.6

## Guiness Sample 6 (6)

SAMPLE : Guiness/ Dubbel beer (309) + Coda

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SALTINE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 MINERAL <sup>1</sup> SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	ETCHED
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	SHORT	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 5.2  
(+ 0.7)

## Guiness Sample 7

SAMPLE : Guinness (Diluted beer 30%) + Bantams, London, Cofar contained

COMPONENT	RATING				
1 AROMA	ABSENT	WEAK	ACCEPTABLE	EXCESSIVE	REPULSIVE
2 MALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
3 BITTERNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
4 SALTINESS	ABSENT	WEAK	ACCEPTABLE	STRONG	SIZZLE
5 SWEETNESS	ABSENT	WEAK	ACCEPTABLE	STRONG	EXCESSIVE
6 BODY	VERY WEAK	WEAK	ACCEPTABLE	STRONG	HEAVY
7 CARAMEL (BURNT, TOASTY)	ABSENT	WEAK	ACCEPTABLE	STRONG	BURNED
8 SOURNESS (ACIDITY)	ABSENT	WEAK	ACCEPTABLE	SOUR	ACIDIC
9 MINERAL <sup>1</sup> SENSATION	ABSENT	WEAK	ACCEPTABLE	STRONG	METALLIC
10 CALCIUM/MAGNESIUM	ABSENT	WEAK	ACCEPTABLE	STRONG	BITTER
11 INITIAL MOUTHFEEL	ABSENT	WEAK	ACCEPTABLE	STRONG	REPULSIVE
12 PERSISTENCE OF AFTERTASTE	ABSENT	STRONG	ACCEPTABLE	TOO EXTENDED	PERSISTENT

Comments :

pH 4.7

(± 0.2)